

Environmental Health Referral Response - acid sulfate soils

Application Number:	DA2022/1000
Date:	10/08/2022
Responsible Officer	Lashta Haidari
Land to be developed (Address):	Lot 100 DP 1276056 , 19 - 21 South Steyne MANLY NSW 2095

Reasons for referral

This application seeks consent for one or more of the following:

- All development in class 1 land
- Any works below ground surface or will lower water table in area class 2 land
- Any works beyond 1 metre or lower water table by 1 metre in class 3 land
- Any works beyond 2 metres or lower water table by 2 metres in class 4 land
- Works on land below 10 metres AHD and within 500m of class 1, 2, 3 or 4 land which are likely to lower water table below 1 metre

And as such, Council's Environmental Investigations officers are required to consider the likely impacts.

Officer comments General Comments

Reviewed:

- EN-RPT-0001 Report on Site Investigation (Contamination) with Limited Sampling
- EN-RPT-0002 Remediation Action Plan
- GE-RPT-0001 Report on Geotechnical Desktop Assessment
- Master Plans

For the installation of basement carparks, footings and supporting structures, excavation will be required to a depth of approximately 10m below ground level (bgl). It has been demonstrated in multiple reports that acid sulfate soils are highly unlikely to be encountered to a depth of 8m bgl. Exceeding that, investigation to 20m bgl did not identify any soil types indicative of acid sulfate soils.

As a contingency, it has been recommended by the contamination / Geotech consultant that "if materials suspected of potentially containing ASS are identified, samples shall be collected in accordance with the methods outlined in Appendix D and the results compared to the action criteria in Appendix C.". Thus we recommend the below condition in support of the proposal.

The proposal is therefore supported.

Note: Should you have any concerns with the referral comments above, please discuss these with the Responsible Officer.

Recommended Environmental Investigations Conditions:

CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK

Acid Sulfate Soils Contingency

During excavation and construction works, if materials suspected of potentially containing ASS are identified, samples shall be collected in accordance with the methods outlined in Appendix D and the results compared to the action criteria in Appendix C of the report "EN-RPT-0002 Remediation Action Plan" by Douglas Partners Pty Ltd, dated 10 June 2022.

Reason: appropriate management of acid sulfate soils.